

TUESDAY, FEBRUARY 10, 1998**8:30 -11:30 am****FORUM BUSINESS SESSIONS**

(EPA-Only Sessions)

Engineering Forum

8:30-9:30

Engineering Forum Internet Site
Demonstration and Discussion*(Demonstration by Edie Findeis, EMS,
with Full Forum Member
Participation)*

9:30-10:00

Discussion of Proposed Sulfide Cap
Issue Paper *(David Kargbo, R3)*

10:00-10:45

Corps of Engineers Process
Engineering Training Logistics and
Content - A Scoping Session *(Robert
B. Saari, Missouri River Division,
Center of Expertise)*

10:45-11:30

How Are We Doing and What Can We
Be Doing Better *(Open Discussion)***Federal Facilities Forum**

8:30 - 9:00

Opening/Introductions

9:00 - 9:30

EPA's Perspective on INEL *(Wayne
Pierre/EPA RPM)*

9:30 -10:00

Discussion Regarding Forum Issue
Papers

10:00 - 10:30

Groundwater Cleanup to MCLs at
Federal Facilities *(Forum Discussion)*

10:30 - 11:00

Field Sampling and Selecting On-Site
Analytical Methods for Explosives in
Water *(Alan Crockett, Harry Craig,
Thomas Jenkins)*

11:00 - 11:30

Update on Range Rule, Range Rule
Risk Assessment, and UXO Subgroup
*(Doug Bell, FFRRO, and Harry Craig,
Region 10)***Ground Water Forum**

8:30-9:00

Review 1997 Action Items, Propose
Business Agenda, Set Goals

9:00-10:00

Forum Protocols and Procedures:
Consensus Building, Decision Making,
Record keeping

10:00-10:20

Theme for next TSP meeting

10:20-10:40

Briefing on Ground Water Protection
Council *(Vince Malott, Region 6)*

10:40-11:00

Pump-and-Treat Optimization *(Kathy
Yager, TIO)*

11:00-11:15

ORD Relations

11:15-11:30

Issue Papers

11:30-12:45 PM**LUNCH****12:45-5:30 pm****PLENARY SESSION**

12:45-2:15

Welcome Address

*Max Dodson, Region 8, Jim Woolford, FFRRO, Gareth Pearson, CRD-LV, Warren Berholz, INEEL, and
Steve Luftig, OSWER***2:15-2:30****BREAK**

2:30-3:00

Permeable Reactive Barriers *(Bob Puls, SPRD-Ada)*

3:00-3:30

New Standard Sampling Procedures for Sampling Soils Contaminated with Volatile Organic Compounds
(Alan B. Crockett, INEEL)

3:30-4:00

In-Situ Groundwater Sampler for Volatile Organic Compounds *(Scott Barrie, INEEL)*

4:30-5:00

Dynamic Underground Stripping *(Roger Aines, DOE)*

5:00-5:30

How Heat Can Enhance In-Situ Soil and Aquifer Remediation, an overview and guidance on choosing the appropriate
techniques *(Eva Davis, ORD Ada)*

WEDNESDAY, FEBRUARY 11, 1998

8:30 -11:45 am

TECHNICAL SESSION 1

ENGINEERING FORUM ROUNDTABLE DISCUSSION ON *IN SITU* THERMAL TREATMENT

Dynamic Underground Stripping

Dr. Kent Udell, Berkeley Environmental Restoration Center

Dr. Robin Newmark, Lawrence Livermore Natl. Laboratory

Dr. Roger Aines, Lawrence Livermore Natl. Laboratory

Eva Davis, Robert S. Kerr Environmental Research Center

Radio Frequency Heating

Mr. Raymond Kasevich, KAI Technologies, Inc.

Visalia Poleyard

Craig Eaker, Southern Cal Edison

Thermal Blanket/Thermal Wells

Jack Hersh, Tera Therm

8:30 - 11:00 am

TECHNICAL SESSION 2

8:30-9:00

A Comprehensive Simulation Study of VOC Transport In the Vadose Zone and Aquifer at the Subsurface Disposal Area, INEEL, Results and Lessons Learned from the Mother of All Modeling Studies (Jeff Sondrup, INEEL)

9:00-9:45

Evaluating Natural Attenuation and Enhanced Bioremediation of Trichloroethene in Fractured Basalt (Kent S. Sorenson, Jr., , INEEL)

9:45-10:00

BREAK

10:00-10:30

Analysis of Intrinsic Bioremediation of Contaminated Aquifer (*Allan Wylie, INEEL*)

10:30-11:00

Pros and cons of use of recirculating wells to strip VOCs and SVOCs from ground water by Robert Hinchee (*Battelle*) and Rick Johnson

11:00 - 11:45 am

FEDERAL FACILITIES AND GROUND WATER FORUM BUSINESS SESSION

11:00-11:45

Joint FF Forum/GW Forum Business Session: AFCEE Natural Attenuation Protocol Review

11:45-1:00 pm

LUNCH

1:00-4:00
TECHNICAL SESSION 1

1:00-1:30	Innovative Environmental Remediation Technologies (<i>Kevin M. Kostelnik, INEEL</i>)
1:30-2:00	Development of Biofilters for the Removal of Chlorinated VOCs from Off-Gas Streams Created During Environmental Remediation (<i>Brady D. Lee, INEEL</i>)
2:00-2:45	SVE systems -- when to shut them off (with TIO SVE workgroup) (<i>Jim Cummings, TIO</i>)
2:45-3:00	BREAK
3:00-3:30	Geosynthetic liners/covers
3:30-4:00	Cap guidance developed by Region 1 (<i>Yoon-Jean Choi, Region 1</i>)

1:00-4:00
TECHNICAL SESSION 2

1:00-1:30	Surfactant Enhanced Aquifer Remediation for DNAPLs at Neutral Buoyancy (<i>G. Michael Shook, INEEL</i>)
1:30-2:00	Dye Tracer Study to Determine the potential for Contaminant Migration in GW -and- Source Determination for PAH Contamination (<i>Bill Brumbley, NERL-Las Vegas</i>)
2:00-2:45	Consortium for Site Characterization Technology (<i>Eric Koglin, NERL-Las Vegas</i>)
2:45-3:00	BREAK
3:00-3:45	The Partitioning Interwell Tracer Test at a Chemical Waste Landfill - Jim Studer (<i>Los Alamos/Sandia</i>)
3:45-4:00	BREAK

4:00-5:30
TECHNICAL SESSION 1

4:00-4:30	Visalia Pole Yard remediation (in situ DNAPL destruction) (<i>Craig Eaker, Southern Cal-Edison</i>)
4:30-5:00	Ultraviolet VOC Destruction Technology
5:00-5:30	In Situ Flushing/Surfactants (<i>Lynn Wood, SPRD-Ada</i>)

4:00-5:30
TECHNICAL SESSION 2

4:00-4:30	Advantages of Composite Sampling in Environmental Sampling (<i>Alan B. Crockett, INEEL</i>)
4:30-5:00	On-site Analysis of Soils Contaminated with Explosives Using Ion Mobility Spectrometry (<i>Alan B. Crockett, INEEL</i>)
5:00-5:30	An INEEL-wide Ecological Risk Assessment Approach (<i>R. VanHorn, INEEL</i>)

4:00-5:30
AFCEE NATURAL ATTENUATION PROTOCOL WORKGROUP MEETING
 (EPA-Only Session)

7:00-10:00 pm
AFCEE NATURAL ATTENUATION PROTOCOL WORKGROUP MEETING
 (EPA-Only Session)

THURSDAY, FEBRUARY 12, 1998**8:15-9:00****TECHNICAL SESSION 1**

Fry Canyon Permeable Reaction Wall Case Study (*Randy Breeden, Region 8*)

8:15-8:45**TECHNICAL SESSION 2**

Biodegradation of Solid Explosives in Contaminated Soil (*Cory W. Radtke, INEEL*)

FORUM BUSINESS SESSIONS

(EPA-Only Sessions)

9:00-11:30**Engineering Forum**

9:00-9:30

Discuss National Workshop on Groundwater Remediation at Petroleum Type Sites (*An information Exchange with Randy Breeden, Region 8*)

9:30-10:30

Brainstorming session on Post Construction Cover System Inspection/Evaluation Issue Paper (*Lead by Neil Thompson with Full Forum Participation*)

10:30-11:15

Brainstorming on In-Situ Thermal Enhancement Issue Paper (*Lead by Bob Stamnes with Full Forum Participation*)

11:15-11:30

Discussion of new workgroups, documents, ideas, and events by Forum Members

11:30-12:30**LUNCH****8:45-11:30****Federal Facilities Forum**

8:45-11:00

Institutional Controls Panel Discussion

11:00-11:30

DOE's Accelerated Site Technology Deployment Initiative (*Jim Wade, U.S. DOE*)

9:00-11:30**Ground Water Forum**

9:00-9:15

MTBE briefing (*Matthew Hagemann, Region 9*)

9:15-9:45

USGS Sampling Symposium (*Doug Yeskis, Region 5, and Bernie Zavala, Region 10*)

9:45-11:00

Sampling Guidelines Paper (*Doug Yeskis, Region 5, and Bernie Zavala, Region 10*)

11:00-11:15

ORD Natural Attenuation Training Class

11:15-11:30

Briefing on National Refinery Site Workshop (*Randy Breeden, Region 8*)

12:30-1:00**JOINT FORUM SESSION**Overview and Update on Natural Attenuation Activities (*ORD*)**TECHNICAL SESSION 1**

1:00-1:30

MTBE remediation (*Matthew Hagemann, Region 9*)

1:30-2:15

In Situ Stabilization of the INEEL Acid Pit (*Guy G. Loomis, INEEL*)**2:15-2:30****BREAK**

2:30-3:15

Development and Use of Environmental Geophysical Technologies at the INEEL (*M.C. Pfeifer, INEEL*)**3:15-4:00****TECHNICAL SESSION 1**

3:15-4:00

Geophysical Characterization Technologies Applied to in Situ Stabilization Verification and Monitoring (*M.C. Pfeifer, INEEL*)**TECHNICAL SESSION 2**

1:00-2:45

ORD Beta Test of the AFCEE protocol (*ORD*)**2:45-3:00****BREAK**

3:00-3:30

Cost performance data from groundwater pump and treat actions (*Linda Fiedler, TIO*)**3:30-5:30 pm****TECHNICAL SESSION 2**

3:30-4:15

Investigation into the Influence of Air Rotary Drilling on VOC Concentrations in Sediment and soil Gas Using the Simulprobe Sampler Tool - Jim Studer (*Los Alamos/Sandia*)

4:15-5:00

Detection of Perchlorates in Water Supplies (*Joe Donnelly, NERL-Las Vegas*)

5:00-5:30

Lead Contaminated Soil Remediation Using Potable XRF Analysis and Global Positioning Surveys" Skip Wrightson (*Los Alamos/Sandia*)**UXO SUBGROUP MEETING**

1:30-3:30

UXO Subgroup Meeting (EPA-Only Session)

3:30-5:00**TECHNICAL SESSION 3**

3:30-4:15

Isolation of Anaerobic Bacteria from an Aseptically Cored Well (TAN 34) in the Trichloroethylene Plume at the Test Area Site of the Idaho National Environmental and Engineering (INEEL) Laboratory (*Ron Crawford, INEEL*) (*INEEL*)

4:15-5:00

Soil and Groundwater Modeling of Creosote Components and PCP at the Texarkana Wood Preserving Company Superfund Site (*Ron Arnett, INEEL*)

FRIDAY, FEBRUARY 13, 1998

8:30-10:00

FORUM BUSINESS SESSIONS

WRAP-UP AND ASSIGNMENT OF ACTION ITEMS

(EPA-Only Sessions)

Engineering Forum

Wrap-Up and Overview of Action
Items

Federal Facilities Forum

Wrap-Up and Overview of Action
Items

Topics to be addressed

- Co-Chair Nominations
- FFLC Update/Issues
- FF Database
- UXO Subgroup wrap-up
- Lead Regulator at Rocky Flats
Status/Update - Floyd Nichols
- Action Items

Ground Water Forum

8:30-9:00

AFCEE Protocol Workgroup Report
(Black)

9:00-10:00

Summary/Action Items

10:00-11:30 Co-Chair Meeting with Rich Steimle and Debriefing

11:30 Adjourn